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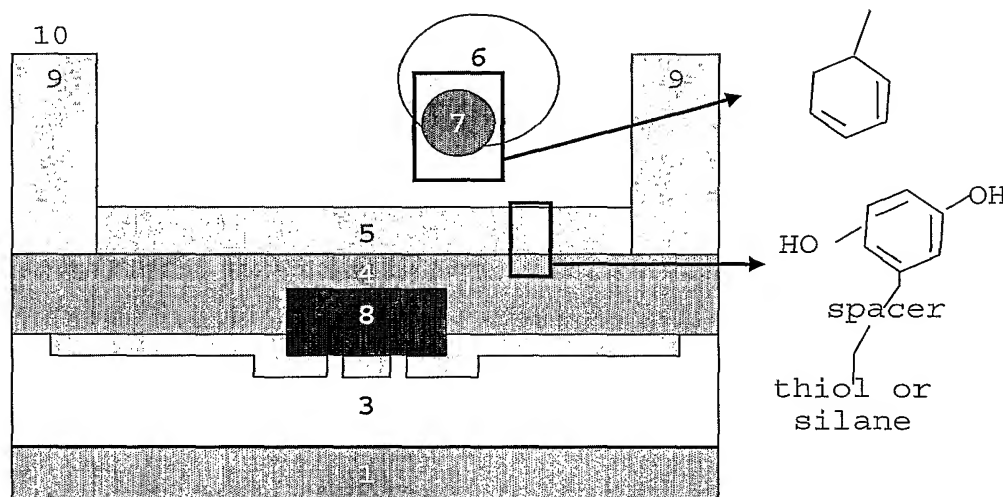
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(54) Title: THE USE OF MICROELECTRONIC STRUCTURES FOR PATTERNED DEPOSITION OF MOLECULES ONTO SURFACES



(57) Abstract: The present invention is related to the localised/patterned deposition and/or desorption of (bio)molecules using microelectronic structures. Often pre-existing structures needed for proper functioning of the device (e.g. sensors, ...) can be used as individually addressable control structures to achieve localised deposition through thermal and/or electrochemical spotting, thereby reducing the need for and simplifying additional processing steps to achieve localised/patterned deposition. If these multi-purpose structures are not available, additional control structures can be implemented, using microelectronic VLSI production technology.

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